USDOE--ORO

# ANNUAL HEALTH PHYSICS APPRAISAL

# OF

# GOODYEAR ATOMIC CORPORATION

# GASEOUS DIFFUSION PLANT

# PIKETON, OHIO

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BY

KENNETH E. SHANK

HEALTH PROTECTION BRANCH
SAFETY AND ENVIRONMENTAL CONTROL DIVISION

B. New Recommendations

HP-FY 83-1 Goodyear should assess all operations for the need to conduct extremity monitoring and initiate a program where needed.

Basis. GAT has never performed extremity monitoring in any of its operations. Various valves associated with pigtail operations have recorded beta readings up to 1 rad/hr. Various operators must handle these valves, as well as other equipment in Building X-705 and elsewhere, where significant exposures to the hand may occur. An assessment for the need for extremity monitoring should be made, and, where appropriate, a monitoring program should be initiated on an interim basis for evaluation. Further, control techniques to minimize extremity doses; e.g., utilization of various gloves, should also be assessed in the study.

HP-FY 83-2 The enrichment of uranium should be considered when calculating the allowable quantities of internally deposited uranium.

Basis. Goodyear presently is comparing all their in-vivo counts to the values in Table 7 of the Report of UCCND-GAT Committee on Radiation Standards and Practices for Gaseous Diffusion Plants. However, these values are based on natural uranium, while enrichments of varying degrees are found at GAT. The backup document to the above report, entitled Development of Desired Levels for Radiation Control, contains some values for enrichments greater than normal uranium in Table 7 Supplement, and the techniques described therein should be utilized for enriched uranium deposition.